

Gold King Historic Total Metals Concentrations (Concentrations in micrograms per liter)

Location	SampleDate	Aluminum	Antimony	Arsenic	Barium
CC06	20-May-09	58300		116	
CC06	17-Jun-09	32900		19.8	
CC06	14-Jul-09	31800		11.3	
CC06	18-Aug-09	28500		5.8	
CC06	22-Sep-09	21500		<4.0	
CC06	18-Mar-10	8240		<4.0	
CC06	14-Apr-10	7840		<4.0	
CC06	02-Jun-10	61600		144	
CC06	14-Jul-10	30200		10.8	
CC06	14-Sep-10	24200		<1.0	
CC06	03-Nov-10	18600		<1.0	
CC06	14-Jun-11	57400		153	
CC06	19-Jul-11	53500		52.6	
CC06	16-Aug-11	36700		12.6	
CC06	13-Sep-11	28700		4.7	
CC06	18-Oct-11	21000		<4.0	
CC06	16-May-12	21200	<5.00	<5.00	<50.0
CC06	02-Oct-12	18100	<2.50	<2.50	<25.0
CC06	23-Sep-14	33100	<5.00	<5.00	<50.0
AVERAGE		31231	NA	53	NA
MIN		7840	NA	4.7	NA
MAX		61600	NA	153	NA

Gold King Historic Dissolved Metals Concentrations (Concentrations in micrograms per liter)

Location	SampleDate	Aluminum	Antimony	Arsenic	Barium
CC06	20-May-09	59000		111	
CC06	17-Jun-09	33400		21.3	
CC06	14-Jul-09	31900		5.5	
CC06	18-Aug-09	28600		<4.0	
CC06	22-Sep-09	21600		<4.0	
CC06	18-Mar-10	8040		<4.0	
CC06	14-Apr-10	7220		<4.0	
CC06	02-Jun-10	57700		139	
CC06	14-Jul-10	29800		5.6	
CC06	14-Sep-10	25700		<1.0	
CC06	03-Nov-10	17300		<1.0	
CC06	14-Jun-11	60000		160	
CC06	19-Jul-11	52200		44.1	
CC06	16-Aug-11	39200		8.4	
CC06	13-Sep-11	28300		<4.0	
CC06	18-Oct-11	21700		<4.0	
CC06	16-May-12	21000	<5.00	<5.00	<50.0
CC06	02-Oct-12	18200	<2.50	<2.50	<25.0
CC06	23-Sep-14	32700	<5.00	<5.00	<50.0
AVERAGE		31240	NA	62	NA
MIN		7220	NA	5.5	NA
MAX		60000	NA	160	NA

Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper
8	111		14		10600
7	59.9		6		5680
8	61.4		4		5710
9.4	66.2		2.4		7150
8.6	64.4		<2.0		5630
4.1	37.7		2.5		2430
3.6	41.4		<2.0		4060
8.8	136		13.8		12300
6.8	61.5		<5.0		5360
8.1	57.5		<0.5		5480
6.4	52.9		<0.5		4020
8	136		13.5		12400
7.7	61.1		8.2		9930
9.3	69.3		<5.0		8330
9	55.7		<5.0		6420
8.1	58.7		<5.0		5220
<20.0	56.4	378000	<10.0	74.1	3730
<10.0	49.9	388000	9.85	71.5	3660
<10.0	88.6	356000	<10.0	100	5020
8	70	374000	8	82	6481
3.6	37.7	356000	2.4	71.5	2430
9.4	136	388000	14	100	12400

Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper
7.97	110	368000	14.1		10100
6.84	71.6	382000	4.4		5520
8.18	60.8	398000	4.04		5520
9.1	66.6	392000	2.1		7310
8.5	62.7	394000	<2.0		5440
3.9	36.1	404000	3		2450
3.7	41	414000	<2.0		2690
8.5	133	344000	16.5		12100
6.8	63.2	403000	<5.0		4970
8.1	56.9	403000	<0.5		5540
6.7	53.3	410000	<0.5		3900
8.1	138	351000	12.6		11900
7.7	62.2	366000	8.3		9490
9.9	72.2	359000	<5.0		8370
9.3	60.3	365000	<5.0		6350
8.2	58.8	361000	<5.0		4950
<20.0	57.1	373000	<10.0	75.2	3800
<10.0	50.5	381000	5.15	69.1	3420
<10.0	88.6	358000	<10.0	100	4960
8	71	380316	8	81	6252
3.7	36.1	344000	2.1	69.1	2450
9.9	138	414000	16.5	100	12100

Iron	Lead	Magnesium	Manganese	Nickel	Potassium
244000	24.7		30200	90	
107000	18.1		28700	61	
101000	21.5		32200	65	
96700	24.9		34400	59.1	
86000	16.3		34900	55.5	
56200	1.8		28400	37.1	
54000	1.8		26700	35	
243000	21.3		29500	95.1	
87400	19.6		29500	57.6	
72100	21.8		29300	52.6	
67600	6.9		31000	46.7	
254000	23.6		27000	94.1	
188000	19.1		29500	85.8	
123000	29.1		31600	68.5	
89200	23.2		34400	60	
81200	17.1		33500	51.9	
50300	15.1	22200	26900	37.3	<2500
68400	4.9	21700	29100	36.3	1410
93900	<1.00	26800	36000	34.7	<1250
113842	17	23567	30674	59	1410
50300	1.8	21700	26700	34.7	1410
254000	29.1	26800	36000	95.1	1410

Dissolved Oxygen	Hardness	Iron	Lead	Magnesium	Manganese
		240000	25.3	37000	30200
		102000	19.7	26100	27700
		91900	22.6	27000	31800
		90400	26.1	25800	34200
		80800	14.6	23900	33900
		54000	1	19800	27400
		47400	<1.0	19500	26200
		213000	20.7	33800	27100
		81900	18.9	26500	29600
		75200	21.1	24900	31700
		65800	6.5	22200	30700
5.3		257000	23.7	36300	28100
4.5		175000	18.1	33600	28900
3.9		123000	29	29000	30900
3.6		83800	23.9	24600	33600
3.3		72500	15	22700	32000
	1020	46800	14.9	22100	26000
	1040	66400	4.75	21600	28900
	1000	91300	<1.00	26400	35300
4	1020	108326	18	26463	30221
3.3	1000	46800	1	19500	26000
5.3	1040	257000	29	37000	35300

Selenium	Silver	Sodium	Strontium	Thallium	ALL DISSOLVED SOLIDS
8.3	<1.0				
4.2	<0.5				2300
4.6	<0.5				2200
3.9	<0.5				2300
3.2	<0.5				2100
2.1	<0.5				1700
2	<0.5				
8.8	<1.0				3100
4.2	<0.5				2500
2.8	<0.1				1900
2.7	<0.1				1900
10.4	<2.0				
7.7	<0.5				
5.9	<0.5				
4.2	<0.5				
3.6	<0.5				
<5.00	<5.00	5080	6280	<5.00	
7.83	<2.50	5040	5830	5.06	
<10.0	<5.00	4840	5430	<5.00	
5	NA	4987	5847	5	2222
2	NA	4840	5430	5.06	1700
10.4	NA	5080	6280	5.06	3100

Nickel	Potassium	Selenium	Silver	Sodium	Strontium
91.1	1640	8.1	<1.0	5130	
57.6	1750	3.6	<1.0	5650	
63.8	1890	3.4	<0.5	6050	
59.9	2200	4.3	<0.5	5420	
55.6	2020	2.9	<0.5	5820	
38.1	1760	2	<0.5	6090	
37.4	1690	1.7	<0.5	6140	
94	1590	8.2	<1.0	4740	
53.7	1710	3.9	<0.5	5370	
55.2	2160	2.6	<0.1	5730	
47.7	1760	3	<0.1	5530	
93.2	1570	10	<2.0	4910	
86.2	1500	6.8	<0.5	4760	
68.2	2130	5.5	<0.5	5440	
59.6	2010	4.8	<0.5	5640	
49.9	1840	4.6	<0.5	5460	
39.7	<2500	<5.00	<5.00	5190	6220
44.9	<1250	4.87	<2.50	5160	5780
50.6	<1250	<10.0	<5.00	4760	5280
60	1826	5	NA	5421	5760
37.4	1500	1.7	NA	4740	5280
94	2200	10	NA	6140	6220

L SUSPENDED SC	Vanadium	Zinc
		40300
29		23800
30		24800
20		26300
20		23000
20		16000
		14500
20		44700
26		23500
23		19500
20		20000
		40200
		33400
		27500
		24600
		24400
	<20.0	19700
	<10.0	19700
	<20.0	29700
23	NA	26084
20	NA	14500
30	NA	44700

Thallium	lL DISSOLVED SC	Vanadium	Zinc
			40200
	2300		21900
	2200		24000
	2300		24800
	2100		22400
	1700		15600
			13000
	3100		39300
	2500		22500
	1900		21700
	1900		20700
			41900
			32900
			28600
			23900
			21100
<5.00		<20.0	19100
<2.50		<10.0	19500
<5.00		<20.0	29300
NA	2222	NA	25389
NA	1700	NA	13000
NA	3100	NA	41900